

APPENDIX OF PENDING CLAIMS

2. (Amended) A method according to claim 7 further comprising adding a phosphoramidite group to the 3' position of said 2' modified nucleoside.
3. (Amended) A method according to claim 2 further comprising incorporating said phosphoramidite 2' modified nucleoside into a growing nucleic acid.
4. (Amended) A method according to claim 7 wherein said nucleoside is a naturally occurring nucleoside.
5. (Twice Amended) A method according to claim 7 wherein said nucleoside further comprises a nucleoside analog.
6. (Twice Amended) A method according to claim 7 wherein said activating agent is carbonyldiimidazole.
7. A method for making a 2' modified nucleoside comprising a covalently attached electron transport moiety, said method comprising:
 - a) adding an anhydro-nucleoside and a electron transfer moiety comprising a primary amine in the presence of an activation agent to form an activated anhydro-nucleoside;
 - b) treating said anydronucleoside with a cyclization agent to form a cyclized intermediate; and
 - c) treating said cyclized intermediate with a base to form said 2' modified nucleoside.

8. (Amended) A method according to claim 7 wherein said electron transfer moiety is a transition metal complex comprising a transition metal and at least one ligand.

9. (Amended) A method according to claim 8 wherein said transition metal complex comprises a transition metal s selected from the group consisting of ruthenium, rhenium, osmium, platinum, cobalt, and iron.

10. (Amended) A method for making a 2' modified nucleoside comprising a covalently attached transition metal complex, said method comprising:

- a) adding an anhydro-nucleoside and a polydenate ligand comprising a primary amine in the presence of an activation agent to form an activated anhydro-nucleoside;
- b) treating said anydronucleoside with a cyclization agent to form a cyclized intermediate;
- c) treating said cyclized intermediate with a base to form said 2' modified nucleoside; and
- d) adding a transition metal.

11. (Twice Amended) A method according to claim 8 wherein the [coordination] donor atom of said ligand is selected from the group consisting of nitrogen, oxygen, sulfur, carbon and phosphorus.

13. (Twice Amended) A method according to claim 10 wherein said transition metal complex comprises an organometallic ligand [is ferrocene].

Claim 14 has been amended as follows:

14. (Twice Amended) A method according to claim [10]13 wherein said organometallic ligand is [a metallocene] ferrocene.

15. A method according to claim 8 wherein said ligand is a sigma donor.